

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15345

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ D03D11/00, D03D25/00, D06C7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ D03D11/00, D03D25/00, D06C7/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 7-238434 A (Tokyo-to), 12 September, 1995 (12.09.95), Claim 1	1-8
Y	Claim 1; column 4, lines 2 to 9 (Family: none)	9,10
Y	JP 1-321948 A (Motomikurosu Kogyo Kabushiki Kaisha), 27 December, 1989 (27.12.89), Claims (Family: none)	1-10
Y	JP 3063115 U (Teijin Ltd.), 19 October, 1999 (19.10.99), Claims 1; Par. No. [0008] Par. No. [0009] (Family: none)	1-4, 6-10 5

Further documents are listed in the continuation of Box C. See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search
08 March, 2004 (08.03.04)

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23 March, 2004 (23.03.04)

Name and mailing address of the ISA/
Japanese Patent Office

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 3-836 A (Teijin Ltd.), 07 January, 1991 (07.01.91), Claims; page 3, upper right column, lines 8 to 13 (Family: none)	3
Y	JP 9-111579 A (Toray Industries, Inc.), 28 April, 1997 (28.04.97), Par. No. [0018] (Family: none)	4
A	JP 40-5954 B1 (Arisawa Mfg. Co., Ltd.), 25 March, 1965 (25.03.65), Full text (Family: none)	1-10
A	JP 3010467 U (Manabu YOSHINO), 02 May, 1995 (02.05.95), Claim 1 (Family: none)	1-10
A	JP 6-128837 A (Teijin Ltd.), 10 May, 1994 (10.05.94), Claim 1 (Family: none)	1-10